

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|------------------|
| S2 | 1 | "10/070221" | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/26 16:27 |
| S3 | 2 | "20050221853" | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:00 |
| S9 | 1 | (10/070221) AND (person) | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 09:00 |
| S10 | 830 | 713/155.ccls. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 09:35 |
| S11 | 62 | "5406619" | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 09:16 |
| S12 | 2 | "5406619".pn. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 09:19 |
| S13 | 2 | "6338140".pn. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 09:35 |
| S14 | 5054 | (713/155 OR 713/161 OR 713/168-170 OR 726/6 OR 726/17-21 OR 380/229 OR 380/232).ccls. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 15:48 |
| S15 | 1947 | authentication NEAR level | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:50 |

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|-----|-----|--|--|----|----|------------------|
| S16 | 250 | authentication NEAR level WITH service | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:34 |
| S17 | 18 | authentication NEAR level WITH service WITH (host or computer) | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:42 |
| S18 | 2 | "9867".pn. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:42 |
| S19 | 2 | "4795890".pn. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:47 |
| S20 | 2 | "6615258".pn. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:48 |
| S21 | 0 | "6615258".pn. AND (authentication NEAR level WITH service) | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:48 |
| S22 | 0 | "6615258".pn. AND (authentication NEAR level) | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:49 |
| S23 | 1 | "6615258".pn. AND (authentication) | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:49 |
| S24 | 0 | "6615258".pn. AND (authentication NEAR3 level) | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:49 |
| S25 | 1 | "6615258".pn. AND (authentication WITH level) | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:49 |

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|-----|-----|--|--|----|----|------------------|
| S26 | 75 | authentication NEAR level WITH result | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:50 |
| S27 | 8 | authentication NEAR level WITH result with service | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:50 |
| S28 | 0 | kiyomatsu-hisanori-\$.in. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:01 |
| S29 | 33 | kiyomatsu-\$.in. AND hisanori | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:03 |
| S30 | 1 | 10/089122 | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:05 |
| S31 | 1 | 10/168655 | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:06 |
| S32 | 1 | 10/204335 | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:06 |
| S33 | 0 | 11/696498 | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:07 |
| S34 | 0 | takato-\$.in. AND sunao | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:07 |
| S35 | 152 | takatori-\$.in. AND sunao | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:07 |

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|-----|---------|---|--|----|----|------------------|
| S36 | 0 | takatori-sunao-\$in. AND sunao | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:07 |
| S37 | 0 | takatori-sunao-\$in. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:08 |
| S38 | 152 | takatori-\$in. AND sunao | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:08 |
| S39 | 1 | "10070221" | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:59 |
| S40 | 1 | 10/070221 | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:59 |
| S41 | 5304 | (713/155 OR 713/161 OR 713/168-170 OR 726/6 OR 726/17-21 OR 380/229 OR 380/232 OR 380/247).ccls. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 15:48 |
| S53 | 2196774 | (intermedia\$5 OR (third ADJ party) OR (trust\$4 NEAR3 (party OR parties OR entity OR entities)) WITH (authenticat\$4 OR verify\$4 OR compar\$4) WITH ((smart\$4 card OR IC)OR (electronic NEAR wallet) OR (credit ADJ card)) WITH (mobile OR portable OR wireless)) | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 17:55 |
| S54 | 2196774 | (intermedia\$5 OR (third ADJ party) OR (trust\$4 NEAR3 (party OR entity)) WITH (authenticat\$4 OR verify\$4 OR compar\$4) WITH ((smart\$4 card OR IC)OR (electronic NEAR wallet) OR (credit ADJ card)) WITH (mobile OR portable OR wireless)) | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:06 |

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|-----|---------|--|--|----|----|------------------|
| S55 | 2196774 | (intermedia\$5 OR (third ADJ party) OR (trust\$4 NEAR(party OR entity)) WITH (authenticat\$4 OR verify\$4 OR compar\$4) WITH ((smart\$4 card OR IC)OR (electronic NEAR wallet) OR (credit ADJ card)) WITH (mobile OR portable OR wireless)) | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:06 |
| S56 | 2080603 | (intermedia\$2 OR (third ADJ party) OR (trust\$4 NEAR(party OR entity)) WITH (authenticat\$4 OR verify\$4 OR compar\$4) WITH ((smart\$4 card OR IC)OR (electronic NEAR wallet) OR (credit ADJ card)) WITH (mobile OR portable OR wireless)) | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:08 |
| S57 | 2080603 | (intermedia\$2 OR (third ADJ party) OR (trust\$4 NEAR(party OR entity)) WITH (authenticat\$4 OR verify\$4 OR compar\$4) WITH ((smart ADJ card OR "IC")OR (electronic NEAR wallet) OR (credit ADJ card)) WITH (mobile OR portable OR wireless)) | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 13:38 |
| S58 | 0 | S57 and 713/155.ccls | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:10 |
| S59 | 1737 | S57 and (713/155 OR 713/168)".ccls" | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:56 |
| S60 | 1879 | S57 and (713/155 OR 713/168 OR 380/247)".ccls" | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:11 |
| S62 | 52 | S59 AND @py<="2000" | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:56 |
| S63 | 640 | service\$2 WITH communication WITH transaction WITH internet | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:24 |
| S64 | 2 | "6169890".pn. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:26 |

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| S65 | 2 | "5668876".pn. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:39 |
| S66 | 2 | "5721781".pn. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:40 |
| S67 | 2 | "5974312".pn. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:40 |
| S69 | 2080603 | (intermedia\$2 OR (third ADJ party) OR (trust\$4 NEAR(party OR entity)) WITH (authenticat\$4 OR verify\$4 OR compar\$4) WITH ((smart ADJ card OR "IC")OR (electronic NEAR wallet) OR (credit ADJ card)) WITH (mobile OR portable OR wireless))", clm." | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:50 |
| S70 | 298162 | (intermedia\$2 OR (third ADJ party) OR (trust\$4 NEAR(party OR entity)) WITH (authenticat\$4 OR verify\$4 OR compar\$4) WITH ((smart ADJ card OR "IC")OR (electronic NEAR wallet) OR (credit ADJ card)) WITH (mobile OR portable OR wireless)). clm. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:50 |
| S71 | 4 | receiv\$4 with authentication WITH (equipment NEAR service).clm. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:52 |
| S72 | 414 | transmit\$4 WITH authentication WITH mobile.clm. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:53 |
| S73 | 231 | receiv\$4 WITH information WITH authentication WITH mobile.clm. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:53 |
| S74 | 140 | S72 and S73 | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:54 |

EAST Search History

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|-----|---------|---|--|----|----|------------------|
| S75 | 19 | S74 AND S41 | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:54 |
| S76 | 1415370 | S57 AND @py<="2000" | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:56 |
| S77 | 2080603 | (intermedia\$2 OR (third ADJ party) OR (trust\$4 NEAR(party OR entity)) WITH (authenticat\$4 OR verify\$4 OR compar\$4) WITH ((smart ADJ card)OR (electronic NEAR wallet) OR (credit ADJ card)) WITH (mobile OR portable OR wireless)) | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:59 |
| S78 | 3305 | (intermedia\$2 OR (third ADJ party) OR (trust\$4 NEAR(party OR entity)) WITH (authenticat\$4 OR verify\$4 OR compar\$4) WITH ((smart ADJ card)OR (electronic NEAR wallet) OR (credit ADJ card)) WITH (mobile OR portable OR wireless)) WITH authentication | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 16:59 |
| S79 | 132 | (intermedia\$2 OR (third ADJ party) OR (trust\$4 NEAR(party OR entity)) WITH (authenticat\$4 OR verify\$4 OR compar\$4) WITH ((smart ADJ card)OR (electronic NEAR wallet) OR (credit ADJ card)) WITH (mobile OR portable OR wireless)) WITH authentication WITH mobile | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 17:09 |
| S80 | 1415370 | S57 AND @py<= "2000" | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 17:11 |
| S81 | 1368291 | S57 AND @py<= "1999" | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 17:10 |
| S82 | 417523 | S57 AND (@py<= "2000" AND @py>= "1990") | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 17:12 |

EAST Search History

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|-----|---------|---|--|----|-----|------------------|
| S83 | 262220 | S57 AND (@py<= "2000" AND @py>= "1995") | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/27 17:12 |
| S84 | 214 | S83 AND S41 | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 06:15 |
| S85 | 0 | authication SAME shop\$4 SAME authentication | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 06:16 |
| S86 | 1579 | authentication SAME shop\$4 SAME authentication | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 06:16 |
| S87 | 2198408 | (intermedia\$5 OR (third ADJ party) OR (trust\$4 NEAR(party OR entity)) WITH (authenticat\$4 OR verify\$4 OR compar\$4) WITH ((smart\$4 card OR IC)OR (electronic NEAR wallet) OR (credit ADJ card)) WITH . (mobile OR portable OR wireless)) | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 06:16 |
| S88 | 621 | S86 AND S87 | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 06:17 |
| S89 | 5067 | (713/155 OR 713/161 OR 713/168-170 OR 726/6 OR 726/17-21 OR 380/229 OR 380/232).ccls. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 06:17 |
| S90 | 50 | S88 AND S89 | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 09:07 |
| S91 | 83 | shunichi-\$in. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | OFF | 2007/06/28 09:30 |

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|------|----|--|--|----|-----|------------------|
| S92 | 0 | shunichi-\$.in. AND watanabe | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | OFF | 2007/06/28 09:30 |
| S93 | 99 | shunichi-\$.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/06/28 12:35 |
| S98 | 2 | "7054835".pn. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 14:56 |
| S99 | 1 | 10/070,221 AND type | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 15:00 |
| S100 | 1 | 10/070,221 AND (authentication WITH type) | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 17:30 |
| S101 | 2 | "7050993".pn. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 17:31 |
| S102 | 3 | "7110987".pn. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 17:31 |
| S103 | 2 | "7050993".pn. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 17:34 |
| S104 | 2 | "7096204".pn. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 17:50 |

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|----------|--------|---|--|----|----|------------------|
| S10 5 | 2 | "6678516 ".pn. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 17:50 |
| S10 6 | 451001 | (intermedia\$5 OR (third ADJ party) OR (trust\$4 NEAR3 (party OR parties OR entity OR entities)) WITH (authenticat\$4 OR verify\$4 OR compar\$4) WITH ((smart\$4 card OR IC)OR (electronic NEAR wallet) OR (credit ADJ card)) WITH (mobile OR portable OR wireless)). ab. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 18:00 |
| S10 7 | 199 | S106 and S89 | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 17:57 |
| S10 8 | 30 | S107 AND @py<="2000" | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 17:57 |
| S10 9 | 906819 | (intermedia\$5 OR (third ADJ party) OR (trust\$4 NEAR3 (party OR parties OR entity OR entities)) WITH (authenticat\$4 OR verify\$4 OR compar\$4) WITH ((smart\$4 card OR IC)OR (electronic NEAR wallet) OR (credit ADJ card)) WITH (mobile OR portable OR wireless)). detd. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 18:00 |
| S11 0 | 1688 | S109 and S89 | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 18:00 |
| S11 1 | 205 | S110 AND @py<="2000" | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 18:01 |
| S11 2 | 205 | S110 AND @py<="2000" AND @py>= "1900" | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 18:01 |

EAST Search History

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|----------|-----|--|--|----|----|------------------|
| S11 3 | 157 | S110 AND @py<="2000" AND @py>= "1995" | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | ON | 2007/06/28 18:01 |
|----------|-----|--|--|----|----|------------------|